

# Work Order ID 108535

Friday, October 18, 2013 10:47:46 AM

**\*108535\***

Page 1

Item ID: D350-689-023

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Item Name: Floor Provisions - Energy Attenuating Seat Compatible

Stop **\*NS2\***

Start Date: 10/18/2013 Start Qty: 1.00 **\*1\***

Cust Item ID:

Required Date: 10/18/2013 Req'd Qty: 1.00 **\*1\***

Customer:

Reference:

Approvals: Process Plan: ME Date: 10-10-17 Tooling:

Run Start **\*NR1\***

QC: Date: SPC (Y/N):

Date: Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
DSI 9588	B
IIN-D350-689	B

100

**\*100\***

DC

Document Control

DOCUMENT CONTROL

Memo

Photocopy bluefile and create labels per PPP D350-689-023 CHG004

0.00

0.00

DAS  
6  
9-89

13/10/19 (1)

110

**\*110\***

Packaging

Packaging

Pick Kit

Memo

0.00

0.00

DAS  
33  
9-89

13-10-18

DAS  
31  
9-89

**Work Order ID 108535**

Friday, October 18, 2013 10:47:46 AM

**\*108535\***

Page 2

Item ID: D350-689-023

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Floor Provisions - Energy Attenuating Seat Compatible

Start Date: 10/18/2013 Start Qty: 1.00 **\*1\***

Cust Item ID:

Required Date: 10/18/2013 Req'd Qty: 1.00 **\*1\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

120

QC4- 100% Inspect kits for completeness

0.00

**\*120\***

QC

Memo

0.00

Quality Control

DAS  
6  
9-89

13/10/13

(1)

130

Packaging

0.00

**\*130\***

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D350-689-023

Location: SHIP

PPP Rev: \_\_\_\_\_

DAS  
6  
9-89

13/10/13

(1)

140

QC21- Final Inspection - Work Order Release

0.00

**\*140\***

QC

Memo

0.00

Quality Control

13/10/13-10-18

VME  
13-10-18

# Picklist Print

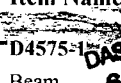
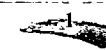

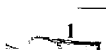


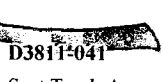

Friday, October 18, 2013 10:47:45 AM

Page 1

Work Order ID: 108535  
 Parent Item: D350-689-023  
 Parent Item Name: Floor Provisions - Energy Attenuating Seat Compatible

Start Date: 10/18/2013 Required Date: 10/18/2013  
 Start Qty: 1.00 Required Qty: 1.00

Comments: IPP Rev:A 08-12-23 new issue DD verified by:EC IPP Rev:B revise route seq DD  
 10.02.12 vrified by:JLM IPP Rev:C chg003 DD 11.09.28 verified by:JLM  
 IPP Rev:D 12.01.12 now @ CHG004 (ecn12-501) DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
 D4575-1 Beam		Manufactured	No			110	Each	5.0000		1	DAS 33 9-89		
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST177		5							DAS 31 9-89
				101084		3			101084				
				103070		2							
 D4575-3 Doubler		Manufactured	No			110	Each	1.0000		1	DAS 33 9-89		
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST256		1							DAS 31 9-89
				100805		1			100805				
 D3027-7 Clip		Manufactured	No			110	Each	41.0000		4	DAS 33 9-89		
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST023		41							DAS 31 9-89
				102929		4			102929				
				106800		37							
 D3811-041 Seat Track Assembly		Manufactured	No			110	Each	3.0000		1	DAS 33 9-89		13-10-18
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST254		3							DAS 31 9-89
				99323		3			99323				

# Picklist Print

Friday, October 18, 2013 10:47:45 AM

Page 2

Work Order ID: 108535  
 Parent Item: D350-689-023  
 Parent Item Name: Floor Provisions - Energy Attenuating Seat Compatible

Start Date: 10/18/2013 Required Date: 10/18/2013

Start Qty: 1.00 Required Qty: 1.00

MS21042L3

Nut

Purchased No

110 Each 4,831.0000

9

9

DAS  
33  
9-89

DAS  
6  
9-89

Location Loc Qty Loc Code

FP001 3

122141 3

GA 18

122452 18

ST314 304

111668 1

117885 32

119017 55

119075 138

123265 43

M126036 35

ST506 1055

123900 849

124291 206

ST510a 3451

M126275 5

M126333 3446

126333

MS24694-SS0

Screw

Purchased No

110 Each 123.0000

9

9

DAS  
33  
9-89

DAS  
6  
9-89

Location Loc Qty Loc Code

ST303 123

124670 18

125445 9

m126431 96

126431

DAS  
31  
9-89

13-10-18

Friday, October 18, 2013 10:47:45 AM

Shop Packet Print

Page 2

# Picklist Print

Friday, October 18, 2013 10:47:46 AM

Page 3

Work Order ID: 108535

Parent Item: D350-689-023

Parent Item Name: Floor Provisions - Energy Attenuating Seat Compatible

Start Date: 10/18/2013

Required Date: 10/18/2013

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0363J

Washer

Purchased

No

110

Each

5,817.0000

9

9

DAS

33

9-89

13-10-18

DAS  
6  
9-89

Location

Loc Qty

Loc Code

FP001

1

123248

1

ST294

251

113068

11

124392

240

ST510a

5565

m126319

5565

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

126319

DAS  
31  
9-89

**4. WEIGHT AND BALANCE**

The following weight and balance information is for the Dart Dual High Back Seat Installation. The weight and balance of the parts that are removed from the aircraft to perform this installation are the responsibility of the installer.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-689-011 Dual High Back Seat Installation, Fwd Position	27.6 lb 12.5 kg	-18.2 in -0.46 m	-502 in-lb -5.8 m-k-g	60.7 in 1.54 m	1675 in-lb 19.3 m-k-g
D350-689-013 Floor Provisions Kit, Fwd Position	2.0 lb 0.9 kg	-18.2 in -0.46 m	-36 in-lb -0.4 m-k-g	60.7 in 1.54 m	121 in-lb 1.4 m-k-g
D350-689-011 Dual High Back Seat Installation, Aft Position	28.1 lb 12.7 kg	-18.2 in -0.46 m	-511 in-lb -5.8 m-k-g	63.7 in 1.62 m	1790 in-lb 20.57 m-k-g
D350-689-013 Floor Provisions Kit, Aft Position	3.1 lb 1.4 kg	-18.2 in -0.46 m	-56 in-lb -0.6 m-k-g	62.2 in 1.58 m	193 in-lb 2.2 m-k-g
D350-689-015 Seat Modification Kit	1.0 lb 0.5 kg	-17.2 in -0.44 m	-17 in-lb -0.22 m-k-g	60.7 1.54 m	61 in-lb 0.77 m-k-g
D350-689-017 Shoulder Harness, Fwd Position	4.4 lb 2.00 kg	-18.2 in -0.46 m	-80.1 in-lb -0.92 m-k-g	60.7 in 1.54 m	267 in-lb 3.08 m-k-g
D350-689-017 Shoulder Harness, Aft Position	4.4 lb 2.00 kg	-18.2 in -0.46 m	-80.1 in-lb -0.92 m-k-g	64.7 in 1.64 m	285 in-lb 3.28 m-k-g
D350-689-019 Control Guard, Fwd Position	0.5 lb 0.23 kg	-9.0 in -0.23 m	-4.5 in-lb -0.05 m-k-g	60.7 in 1.54 m	30 in-lb 0.35 m-k-g
D350-689-019 Control Guard, Aft Position	0.5 lb 0.23 kg	-9.0 in -0.23 m	-4.5 in-lb -0.05 m-k-g	64.7 in 1.64 m	32 in-lb 0.38 m-k-g
D350-689-021 Dual High Seat Back Installation, LH Fwd Position	29.2 lb 13.2 kg	-18.2 in -0.46 m	-531 in-lb -6.1 m-k-g	60.7 in 1.54 m	1772 in-lb 20.3 m-k-g
D350-689-021 Dual High Seat Back Installation, LH Aft Position	29.2 lb 13.2 kg	-18.2 in -0.46 m	-531 in-lb -6.1 m-k-g	64.7 in 1.64 m	1889 in-lb 21.6 m-k-g
D350-689-023 Energy Attenuating Floor Provisions Kit	2.5 lb 1.1 kg	-18.2 in -0.46 m	-46 in-lb -0.5 m-k-g	62.2 in 1.58 m	156 in-lb 1.7 m-k-g

**5. PARTS LIST**

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X									D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	X								D350-689-013	FLOOR PROVISIONS KIT
		X							D350-689-015	SEAT MODIFICATION KIT
			X						D350-689-017	SHOULDER HARNESS KIT
				X					D350-689-019	CONTROL GUARD KIT
					X				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
					1	X			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1							X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
					1			X	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
							2	2	D3016-041	SEAT FRAME ASSEMBLY
							1	1	D3017-041	BACK FRAME ASSEMBLY
1					1				D3018-1	SEAT CUSHION
1					1				D3019-1	BACK CUSHION
							1	1	D3021-041	TUBE ASSEMBLY
							1	1	D3022-1	SEAT PAN
							1	1	D3023-1	BACK PANEL
							3	3	D3024-1	SPACER
	1								D3025-1	BEAM

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Revision: B

Date: 11.07.22

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
	1					1			D3026-1	CHANNEL
	1								D3027-1	CLIP
	1								D3027-3	CLIP
	1								D3027-5	CLIP
	1								D3027-7	CLIP
	4					4			D3028-1	STUD
		2					2		D3029-1	SPRING
		2					2		D3030-1	LOCK
							2	2	D3031-1	LOOP
	1								D3032-1	SPACER
	2	1							D3033-1	SEAT TRACK
		4							D3059-1	STUD
		4							D3060-1	BUSHING
		4							D3061-1	RADIUS BLOCK
				1					D3084-3	STRUT
	1								D3234-1	DOUBLER
	1					1			D3234-3	DOUBLER
	2								D3234-5	SPACER
								2	D3808-041	SEAT RAIL ASSEMBLY
								4	D3809-1	SLIDING BLOCK
									D3811-041	SEAT TRACK ASSEMBLY
			2						D4071-041	SHOULDER HARDNESS ASSY
								3	AN3-12A	BOLT
				1					AN4-12A	BOLT
				1					AN4-20A	BOLT
			2						AN5-4A	BOLT
								40	MS20600AD4W2	RIVET
								6	MS20600AD4W3	RIVET
						9		17	MS21042L3	NUT (OR MS21042-3)
				2				6	MS21042L4	NUT (OR MS21042-4)
									MS21042L5	NUT (OR MS21042-5)
		4	2						MS21059L3	NUTPLATE
12	4							4	MS24693-S272	SCREW
								4	MS24693-S273	SCREW
2	1							8	MS24694-S3	SCREW
						9			MS24694-S50	SCREW
								4	MS24694-S148	SCREW
									MS27039-1-10	SCREW
6	3							4	MS27039-1-17	SCREW
								6	MS27039-1-19	SCREW
								6	MS27039-4-21	SCREW
								17	NAS4449D0332J	WASHER (OR AN960JD10L)
6	3					9			NAS1149D0363J	WASHER (OR AN960JD10)
									NAS1149D0416J	WASHER (OR AN960JD416L)
				8				6	NAS1149D0432J	WASHER (OR AN960JD416)
									NAS1149D0516J	WASHER (OR AN960JD516L)
			4						NAS1149D0563J	WASHER (OR AN960JD516)
		4							NAS43DD4-46N	SPACER
				2						

#### 4.0 PARTS LIST CHANGE

The parts list of D350-689-021/-023 at CHG 005/004 or later is amended as follows:

5. PARTS LIST (IIN-D350-689)  
25.10 PARTS LIST (ICA-D350-689)

IS:

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X									D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	X								D350-689-013	FLOOR PROVISIONS KIT
		X							D350-689-015	SEAT MODIFICATION KIT
			X						D350-689-017	SHOULDER HARNESS KIT
				X					D350-689-019	CONTROL GUARD KIT
					X				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
					1	X			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1							X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
					1			X	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
									D3026-1	CHANNEL (REMOVED)
									D3234-3	DOUBLER (REMOVED)
	1					1			D4575-1	BEAM (REPLACES D3026-1)
	1					1			D4575-3	DOUBLER (NEW)

WAS:

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X									D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	X								D350-689-013	FLOOR PROVISIONS KIT
		X							D350-689-015	SEAT MODIFICATION KIT
			X						D350-689-017	SHOULDER HARNESS KIT
				X					D350-689-019	CONTROL GUARD KIT
					X				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
					1	X			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1							X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
					1			X	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
	1					1			D3026-1	CHANNEL
	1					1			D3234-3	DOUBLER

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY: *[Signature]*  
D. SHEPHERD (DE #02)

DATE: 12.11.09  
CERT. NO.: SH02-33  
ISSUE NO.: 1

DESIGN	<i>[Signature]</i>	<b>DART AEROSPACE LTD</b>	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9588	SHEET 6 OF 6
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	INSTALLATION CHANGE NTS	
DATE	12.11.09	<small>COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



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Friday, October 18, 2013 10:47:46 AM

**\*108535\***

Page 1

Item ID: D350-689-023

Revision ID:

Item Name: Floor Provisions - Energy Attenuating Seat Compatible

Start Date: 10/18/2013 Start Qty: 1.00 \*1\*

Required Date: 10/18/2013 Req'd Qty: 1.00 \*1\*

Reference:

Accept

**\*N900040100\***

Setup Start \*NS1\*

Stop \*NS2\*

Cust Item ID:

Customer:

Approvals: Process Plan: MFE

QC:

Date: 12-10-17 Tooling:

Date: SPC (Y/N):

Date:

Date:

Run Start \*NR1\*

Stop \*NR2\*

Sequence ID/  
Work Center ID      Operation  
DescriptionSet Up/  
Run HoursTool ID    Tool #    Plan    Accept    Reject    Reject    Insp.  
Code    Qty    Qty    Number    Stamp

Draw Nbr      Revision Nbr

DSI 9588      B

IIN-D350-689      B

100

**\*100\***

DOCUMENT CONTROL

0.00

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D350-689-023 CHG004

110

**\*110\***

Pick Kit

0.00

Packaging

Memo

0.00

Packaging